Things to be aware of with CHPS-5.1.1

Note: All CHPS components need to be installed before running CHPS. Both FEWS-2014.02 and OHD-CORE-CHPS-4.2.a need to be fully installed before using CHPS. Also, if you are experiencing a different behavior in FEWS-2014.02 than in previous versions, please read the FEWS Release Notes and Configuration Update documents for a possible explanation, before opening a FogBugz case. Some of these changes in behavior are mentioned below.

FEWS 2014.02

1. **Remove *.cbin files prior to running the new FEWS for the first time.**

   Prior to starting FEWS using a new release, you should make sure all old *.cbin files in the localDataStore directory are removed. There have been cases where old *.cbin files will produce errors the first time running FEWS.

2. **Stricter Configuration Checks at startup.**

   As mentioned in the FEWS Release Notes (sections 3.1, 3.2, 3.3) and the Configuration Update Document's section 4 General Checks, there are now new checks performed on configurations during startup that may cause Errors rather than Warnings. These Errors will need to be resolved for the workflows to run properly. More details are provided in the documentation mentioned above.

3. **Different look for Status Icons.**

   With FBz # 1594 being implemented in this build, you will notice that there are new and different status icons being represented in the Forecasts window of the IFD. An explanation of these icons can be found in the FEWS Release Notes under section 2.6 New IFD Icons. Also, there is information provided via the cursor tooltip for each node in the Forecasts window.

4. **Warning message about the firebird library libicudata.so.30.**

   When starting FEWS you may see the message "*Java HotSpot(TM) Server VM warning: You have loaded library /awips/chps_share/sa/aag/bin/libicudata.so.30 which might have disabled stack guard. The VM will try to fix the stack guard now.*" appear. For an explanation and how to get rid of this message, please go to the FEWS Release Notes section 4 Upgrade of firebird library for Linux.

5. **Entries made in empty non-used columns of the Modifiers Table Editor generates errors.**

   Caution: If data is accidently entered in the empty non-used columns of the Table Editor for Mods and then a run is made, it will cause errors, even if you remove the data you accidently entered. A software fix for this GUI glitch has not yet been implemented, so please be careful about accidently entering data in to empty non-used columns of the Modifiers Table Editor.

6. **Datastore locked by background thread for more than 5 seconds.**

   This is a generic message which can have multiple causes. What it is informing the user of is that another process in FEWS is currently working on some data which your process wants to work on too, but cannot because it is currently locked. Most times this conflict is short (less than 5 seconds) and the user will not see this notice. It seems to be happening more often or being reported more often and a FogBugz case 1702 has been opened to look into this issue.

7. **Checkout the General Release Notes for Delft-FEWS document.**

   It is recommended that you read over section 2 Generic Remarks in the General Release Notes for Delft-FEWS which is found in the Documentation directory of the CHPS-5.1.1 package. It talks about there being only one base build version number (50595) for all Delft-FEWS packages distributed worldwide. This is a change from previous practices. Also, it contains a sub-section on "Improvements with configuration consequences".

   The two Appendices, "*Solved Bugs*" and "*Implemented New Features*" are multi-column spreadsheets pointing out numerous items which were worked on for FEWS clients all around the globe. It is overwhelming to review in one sitting, but you may find a feature in there that you were unaware of and can possibly benefit your office.

OHD-CORE-CHPS-4.2.a

1. **Please use the HEFS included in OHD-CORE.**

   The official HEFS is now provided as part of the OHD-CORE-CHPS-4.2.a package. Users are to use this version of the software and not continue to use the HEFS software delivered through previous HEFS releases. Section 7 of the OHD-CORE-CHPS-4.2.a Install Notes will walk you through the steps of disabling these previous versions of HEFS.

2. **OHD-CORE no longer runs on Red Hat 5.**

With the release of CHPS-5.1.1 a RH6 environment is required to execute the OHD-CORE-CHPS modules still coded in C/C++/Fortran. NWC testing showed that all of the models in OHD-CORE-CHPS distribution (including utilities like ofsde ,statQ, nc2grib) that are still using C will not run on RH5. The issue is with the GLIBC library. The error message usually is "/lib/libc.so.6: version `GLIBC_2.7' not found". The way we understand it is that RH6 went with an updated version of the GLIBC library (2.7) and it is not backward compatible to RH5. The OHD models which were affected are apicont, baseflow, chanloss, consuse, resj, ressngl, sarroute and ssarresv.

3. **Please read through the Release Notes and updated user documentation for a possible explanation of any issue you may encounter before opening a FogBugz case. Thank you.**